

Title (en)
ANTENNA MODULE

Title (de)
ANTENNENMODUL

Title (fr)
MODULE D'ANTENNE

Publication
EP 3206255 B1 20200729 (EN)

Application
EP 17151778 A 20170117

Priority
TW 105104106 A 20160205

Abstract (en)
[origin: EP3206255A1] An antenna module connected to a system ground of an electronic device includes a substrate, a coaxial-transmission line, a first radiator and a second radiator. The coaxial-transmission line includes a power feed-in terminal and a ground terminal. The first radiator is electrically connected to the power feed-in terminal. The second radiator is electrically connected to the ground terminal. One side of the second radiator is connected to the system ground, and the second radiator includes a first terminal and a second terminal. An opening is formed between the first terminal and the second terminal, so that the second radiator be partially surrounding to the first radiator. The first radiator and the second radiator are coplanarly disposed on the substrate.

IPC 8 full level
H01Q 13/16 (2006.01); **H01Q 21/28** (2006.01); **H01Q 13/10** (2006.01)

CPC (source: EP US)
H01Q 1/2266 (2013.01 - US); **H01Q 1/48** (2013.01 - US); **H01Q 13/16** (2013.01 - EP US); **H01Q 21/28** (2013.01 - EP US);
H01Q 13/10 (2013.01 - EP US)

Citation (examination)
EP 3200281 A1 20170802 - SEIKO SOLUTIONS INC [JP], et al & JP 5824563 B1 20151125

Cited by
CN112186354A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3206255 A1 20170816; **EP 3206255 B1 20200729**; TW 201729464 A 20170816; TW I597894 B 20170901; US 10559870 B2 20200211;
US 2017229759 A1 20170810

DOCDB simple family (application)
EP 17151778 A 20170117; TW 105104106 A 20160205; US 201715401110 A 20170109